

What is claimed is:

1. A system, comprising:
 - means for determining whether entered parameters for a programmable
 - 5 medical device acceptably interact with each other according to a set of rules;
 - means for providing a visual status indicator based on the entered parameters
 - and the set of rules; and
 - means for providing a feedback message for entered parameters that do not
 - acceptably interact with each other, wherein the feedback message includes a
 - 10 suggestion for how to change the entered parameters to resolve unacceptable
 - parameter interaction.
2. The system of claim 1, wherein the means for providing a visual status
- indicator based on entered parameters and the set of rules includes means for
- 15 providing a visual indicator that the parameters acceptably interact.
3. The system of claim 1, wherein the means for providing a visual indicator that
- the parameters acceptably interact with each other includes means for providing a
- green check icon next to each acceptable parameter.
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4. The system of claim 1, wherein the means for providing a visual status
- indicator based on entered parameters and the set of rules includes means for
- providing a visual indicator that the parameters do not acceptably interact with each
- other.
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5. The system of claim 4, wherein the means for providing a visual indicator that
- the parameters do not acceptably interact with each other includes means for providing
- a red stop sign icon next to each parameter that does not acceptably interact with each
- other.
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6. The system of claim 4, wherein the means for providing a feedback message for entered parameters that do not acceptably interact with each other includes means for displaying a reason why the parameters do not acceptably interact with each other.
- 5 7. The system of claim 4, where the means for providing a feedback message for entered parameters that do not acceptably interact with each other includes means for displaying a suggestion for changing the parameters that do not acceptably interact with each other.
- 10 8. The system of claim 4, further comprising:
means for determining that at least one unacceptable parameter has been changed to at least one acceptable parameter; and
means for changing the visual indicator that the parameters do not acceptably interact with each other to a visual indicator that the parameters acceptably interact
15 with each other.
9. The system of claim 1, wherein the means for providing a visual status indicator based on entered parameters and the set of rules includes means for providing a visual indicator that provides a warning to use discretion based on
20 parameter interaction.
10. The system of claim 9, wherein the means for providing a visual indicator that provides a warning to use discretion with respect to the parameters includes means for providing a yellow warning icon next to each parameter for which discretion should be
25 used.
11. The system of claim 9, wherein the means for providing a visual status indicator based on entered parameters and the set of rules includes:
means for providing a visual indicator for one or more acceptable parameters;

means for providing a visual indicator for one or more allowable parameters indicating a warning to use discretion with respect to the allowable parameters; and

means for providing a visual indicator for one or more unacceptable parameters.

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12. The system of claim 11, wherein:

the means for providing a visual indicator for one or more acceptable parameters includes means for providing a green check icon next to each acceptable parameter;

10 the means for providing a visual indicator for one or more allowable parameters indicating a warning to use discretion with respect to the allowable parameters includes means for providing a yellow warning icon next to each allowable parameter for which discretion should be used; and

the means for providing a visual indicator for one or more unacceptable parameters includes means for providing a red stop sign icon next to the each unacceptable parameter.

13. The system of claim 11, wherein the means for providing a feedback message for entered parameters that do not acceptably interact includes means for displaying a
20 reason why the parameters do not acceptably interact.

14. The system of claim 11, wherein the means for providing a feedback message for entered parameters that do not acceptably interact includes means for displaying a suggestion for changing the parameters that do not acceptably interact.

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15. The system of claim 11, further comprising:

means for determining that at least one unacceptable parameter has been changed to at least one acceptable parameter; and

means for changing the visual indicator that the parameters do not acceptably
30 interact to a visual indicator that the parameters acceptably interact.

16. A system, comprising:

means for determining whether entered parameters for a programmable medical device acceptably interact with each other according to a set of rules; and

5 means for providing a visual status indicator based on entered parameters and the set of rules, including:

means for providing a visual indicator of a first color for one or more acceptable parameters;

10 means for providing a visual indicator of a second color for one or more allowable parameters indicating a warning to use discretion with respect to interaction of the allowable parameters to other entered parameters; and

means for providing a visual indicator of a third color for one or more unacceptable parameters.

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17. The system of claim 16, wherein:

the means for providing a visual indicator of a first color for one or more acceptable parameters includes means for providing a green check icon next to each acceptable parameter;

20 the means for providing a visual indicator of a second color for one or more allowable parameters indicating a warning to use discretion includes means for providing a yellow warning icon next to each allowable parameter for which discretion should be used; and

25 the means for providing a visual indicator of a third color for one or more unacceptable parameters includes means for providing a red stop sign icon next to the each unacceptable parameter.

18. The system of claim 16, further comprising:

30 means for determining that at least one unacceptable parameter has been changed to at least one acceptable parameter; and

means for changing the visual indicator that the parameters do not acceptably interact with each other to a visual indicator that the parameters acceptably interact with each other.

5 19. The system of claim 16, further comprising means for providing a feedback message for entered parameters that do not acceptably interact with each other.

20. The system of claim 19, wherein the feedback message is a text message.

10 21. The system of claim 19, wherein the means for providing a feedback message for entered parameters that do not acceptably interact with each other includes means for displaying a reason why the parameters do not acceptably interact with each other.

22. The system of claim 19, wherein the means for providing a feedback message
15 for entered parameters that do not acceptably interact with each other includes means for displaying a suggestion for changing the parameters that do not acceptably interact with each other.

23. A system, comprising:
20 means for identifying parameter interactions between feature parameters;
means for defining a plurality of messages, wherein the plurality of messages includes a first type of message, a second type of message and a third type of message, wherein the first type of message indicates correctness, wherein the second type of message warns of a parameter interaction and wherein the third type of message warns
25 of impermissible parameter settings;

means for associating each of the parameter interactions with one of the message types;

means for accepting a parameter value;

30 means for examining the parameter value to determine if it causes a parameter interaction; and

means for displaying a message of the message type associated with the parameter interaction if the parameter value causes a parameter interaction.

24. The system of claim 23, wherein the plurality of messages includes icons
5 indicating a level of correctness.